KDAI
ENVIRONMENTAL ENGINEERING
& LABORATORY SERVICES

DEC 14 1992

10 December, 1992

Ms. Lynda Wedderspoon
Site Management Section
Dept. of Environmental Conservation
103 South Main Street / West Bldg.
Waterbury, Vermont 05671-0404

RE: Report of Investigation
Bank of Vermont, Winooski (Site #92-1300)

Dear Ms. Wedderspoon:

K-D Associates, Inc. has completed its preliminary work plan investigating the presence and degree, if any, of soil/groundwater contamination at the above mentioned site.

On 18 November, 1992, K-D Associates, Inc. collected soil samples for analysis by EPA Method 8020 from three soil borings. As expected, ledge was encountered at relatively shallow depths during drilling (53", 29" and 47"). From each drilling, a sample was collected from the final confining layer (ledge) and at the initial point of a suspect layer (e.g. sandy material over heavy clay). A site map and drilling logs are included. No contamination was observed, noted by odor or detected by photoionization detector (PID) during drilling or sampling. The laboratory results also indicate that no contamination was detected for all samples collected.

A survey of drinking water wells in the vicinity lists five private wells in Winooski (Map Area - I-25), the nearest to the Bank of Vermont Site being a 60 foot drilled well installed in 1966, located approximately a quarter mile northwest the site. The City of Winooski does not have a well for its public water supply, it is supplied by the Champlain Water District. Another potential receptor is the Winooski River located approximately 1000 feet south.

In conclusion, since no levels of contamination were detectable from the soil analysis, the overall impact to the surrounding soil, groundwater, private water supplies or other sensitive areas appears to be negligible. Based on this information, we feel that the need to further investigate the extent of contamination migration, any affects on local receptors and the development of a remediation plan is not necessary.

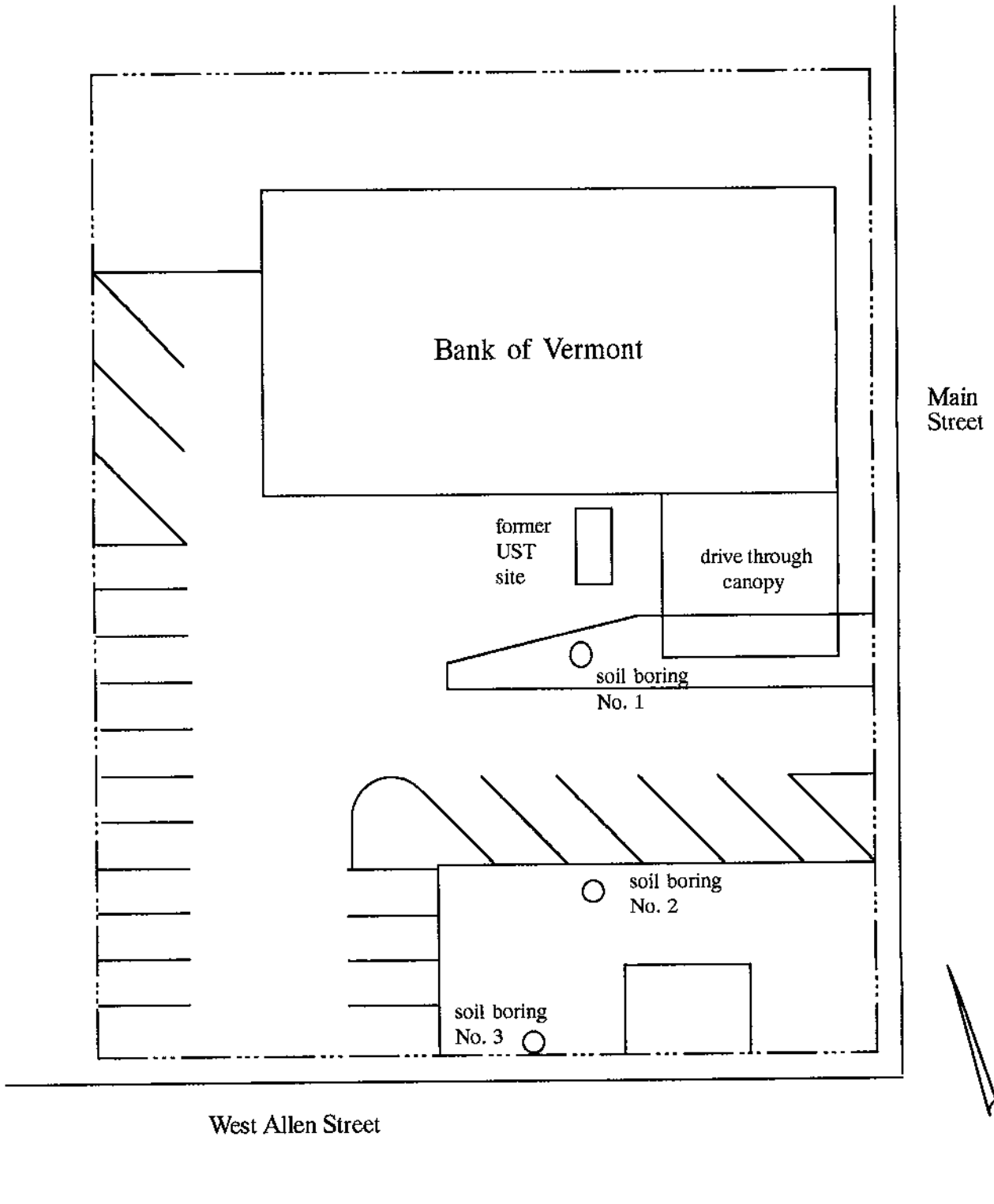
Should you have any questions regarding this report, please feel free to contact me.

Sincerely,

Bryan Schultz

cc: Larry Decker
file 9119-012

K-D Associates, Inc. P.O. Box 4326, Burlington, Vermont 05406-4326
(802) 862-7490 (800) 639-2035 FAX (802) 660-2462



KDAI
P.O. Box 4326
Burlington, Vermont 05406-4326
(802) 862-7490

site: Bank of Vermont
70 Main Street
Winooski, Vermont

LEGEND

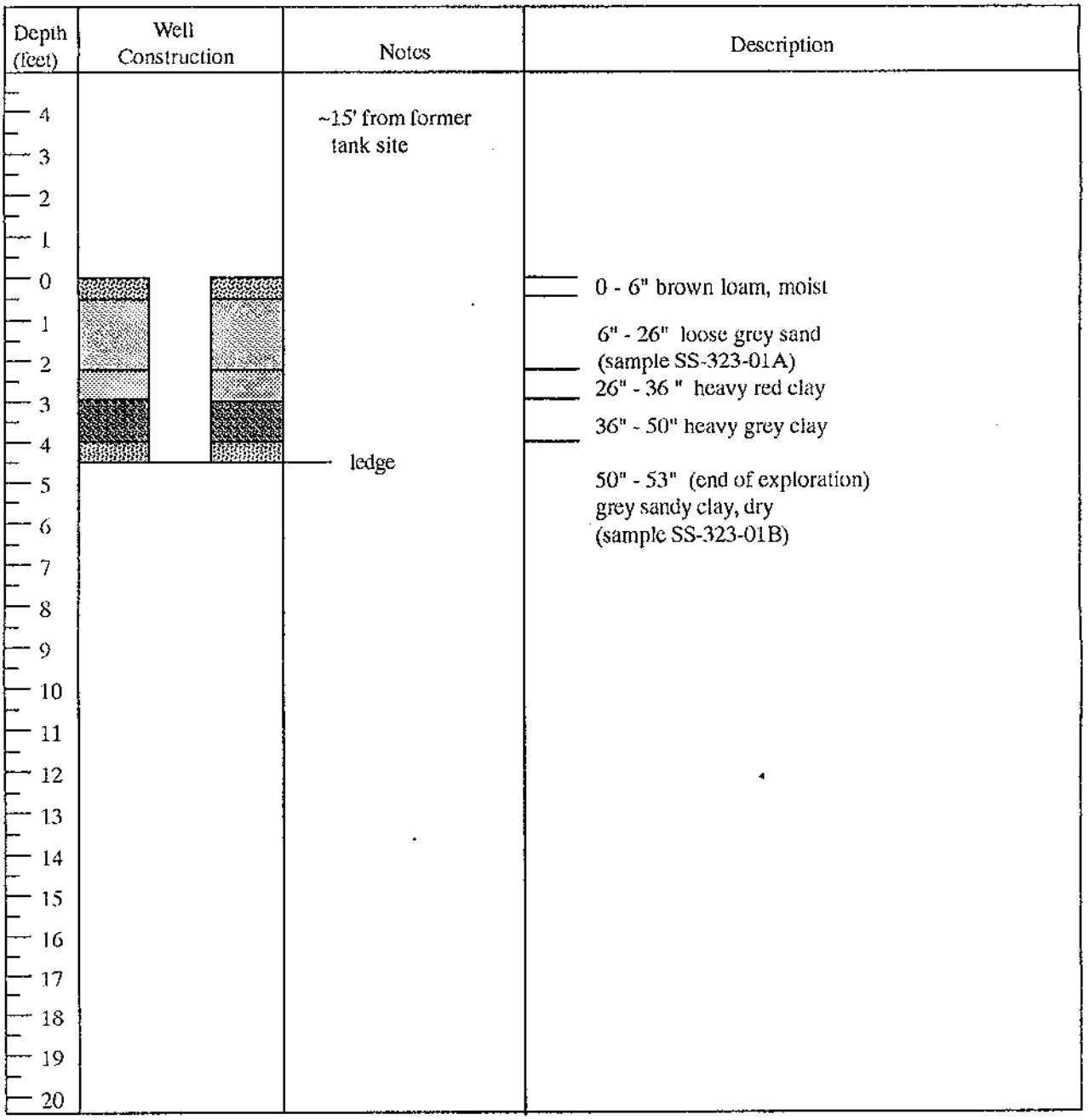
o = Soil Boring Location

scale: 1" = 30'

K-D Associates, Inc. P.O. Box 4326, Burlington, Vermont 05406 (802) 862-7490

Project Name: Bank of Vermont
Location: 70 Main Street, Winooski, Vermont
KDAI Proj. No.: 9119-012
Drilling Log No.: #1
Date: 11/18/92

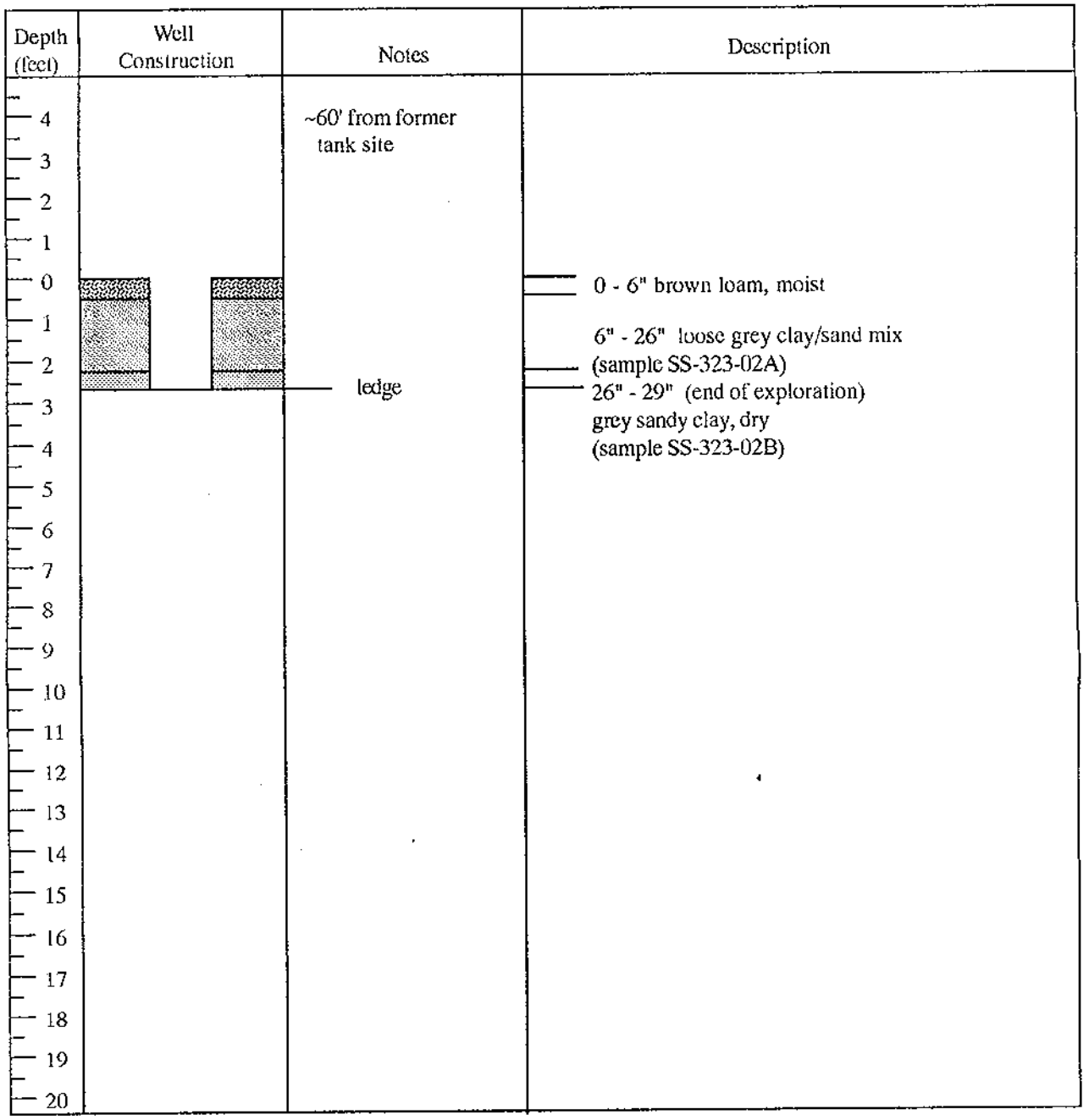
Casing type: N/A
Casing Diameter: N/A
Casing length: N/A
Screen type: N/A
Screen length: N/A
Total length below ground: N/A



K-D Associates, Inc. P.O. Box 4326, Burlington, Vermont 05406 (802) 862-7490

Project Name: Bank of Vermont
Location: 70 Main Street, Winooski, Vermont
KDAI Proj. No.: 9119-012
Drilling Log No.: #2
Date: 11/18/92

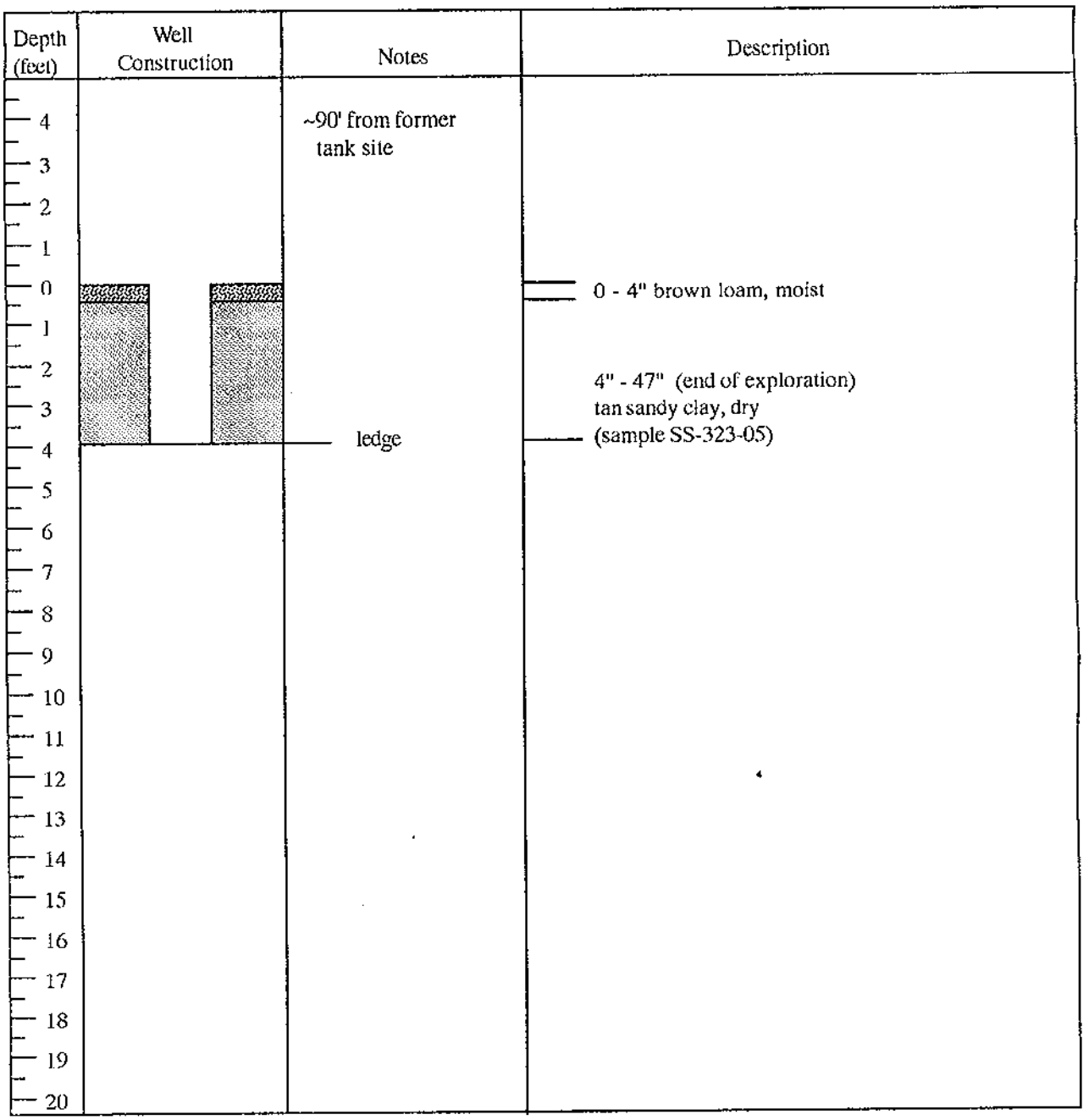
Casing type: N/A
Casing Diameter: N/A
Casing length: N/A
Screen type: N/A
Screen length: N/A
Total length below ground: N/A



K-D Associates, Inc. P.O. Box 4326, Burlington, Vermont 05406 (802) 862-7490

Project Name: Bank of Vermont
Location: 70 Main Street, Winooski, Vermont
KDAI Proj. No.: 9119-012
Drilling Log No.: #3
Date: 11/18/92

Casing type: N/A
Casing Diameter: N/A
Casing length: N/A
Screen type: N/A
Screen length: N/A
Total length below ground: N/A



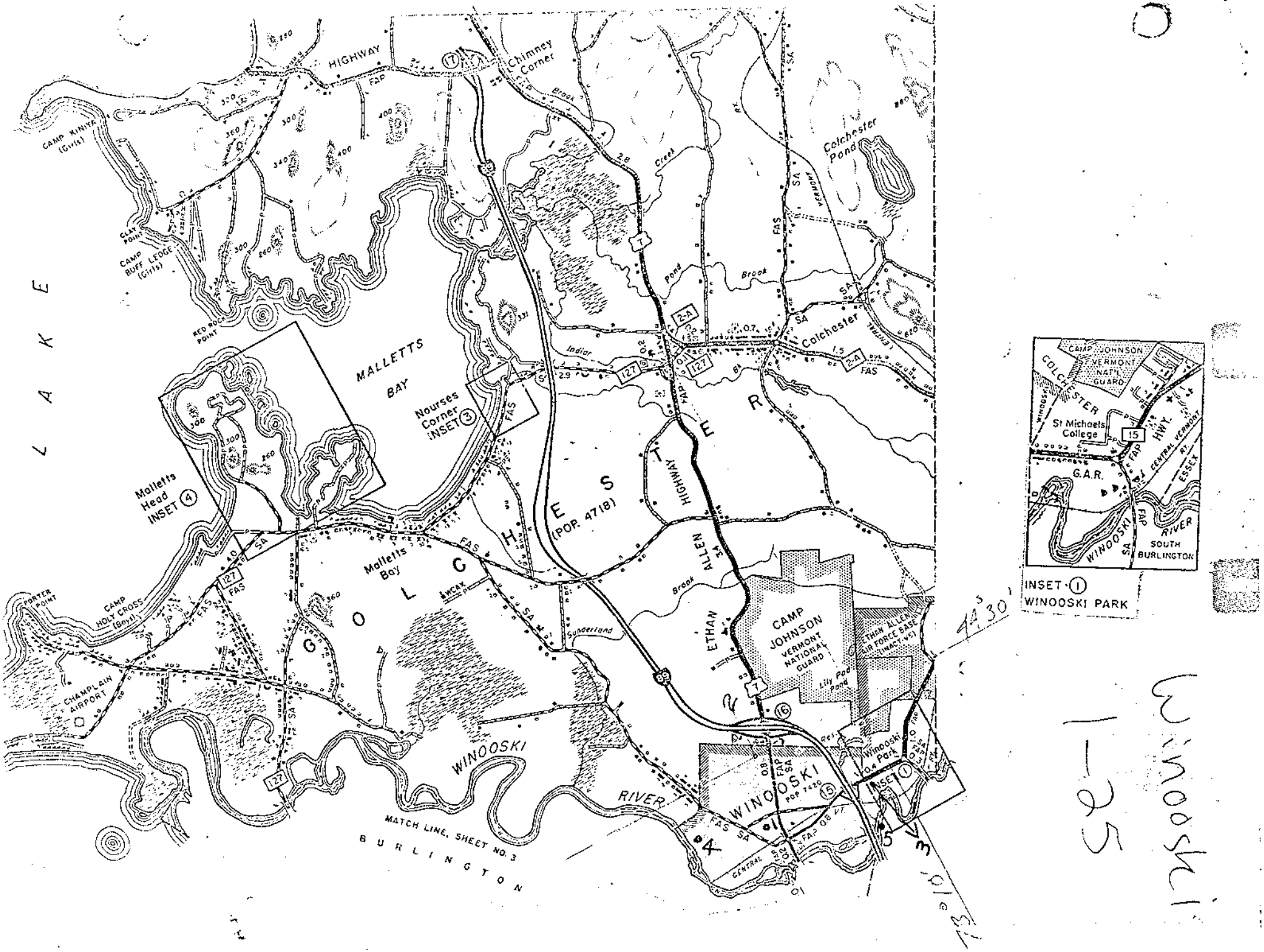
BASIC WELL DATA

TOWN WINOOSKI

WELLS 1-25

NUMBER WR	NUMBER USGS	NAME OF WELL OWNER or Purchaser (P)	MAP LOC	YIELD GPM	TOTAL DEPTH FEET	DEPTH ROCK FEET	CASING LENGTH FEET	STATIC WATER LEVEL	YR DR	DRILL NO.	REMARKS
1		JOSEPH A. MERCIER, JR	13A4	30	60	6	12		6 6	12	
2		DONALD BISSONETTE	13A4	8	177	9	20	50	7 2	36	
3		JOHN RAUILLE	13A4	1½	498	15	20		6	8	
4		NEW ENGLAND CARPET Co	13A4	4	180	164	165		8	8	
5		Homer Saborin	13A4	12	285	88	90	24	8 3	176	

1980
78
1976


LAKE
CHAMPLAIN
MALLETTS BAY
Nourses Corner INSET (3)
Malletts Head INSET (4)
Malletts Bay
COLCHESTER
(POP. 4718)
HIGHWAY 2
Chimney Corner
Colchester Pond
Colchester
ESSEX
HIGHWAY 15
ETHAN ALLEN
CAMP JOHNSON VERMONT NATIONAL GUARD
ETHAN ALLEN AIR FORCE BASE (INACTIVE)
WINOOSKI
POP 7420
WINOOSKI RIVER
BURLINGTON
SOUTH BURLINGTON
St Michaels College
G.A.R.
CAMP JOHNSON VERMONT NATL GUARD
INSET (1) WINOOSKI PARK
CAMP KINIYA (Girls)
CAMP BUFF LEDGE (Girls)
RED ROCK POINT
CLAY POINT
PORTER POINT
CAMP HOLY CROSS (Boys)
CHAMPLAIN AIRPORT
Sunderland Brook
Indian Creek
Lily Pond
Winooski Park
MATCH LINE, SHEET NO. 3
I-25
Winooski

IEA
An Aquarion Company

Analysis Report: EPA Method 8020 (Volatile Aromatics)

Client:	K-D Associates, Inc.	IEA ID:	K103-003-01
Project:	9119-012	Sample:	SS-323-01A
Report Date:	12/07/92	Type:	Soil
Collected:	11/18/92	Container:	Glass
Received:	11/20/92		
Analyzed:	12/02/92	Dilution	
By:	LSB	Factor:	1.2

Number	Compound	PQL (ug/kg dry wt.)	Result (ug/kg dry wt.)
1	Benzene	1	BQL
2	Chlorobenzene	1	BQL
3	1,2-Dichlorobenzene	1	BQL
4	1,3-Dichlorobenzene	1	BQL
5	1,4-Dichlorobenzene	1	BQL
6	Ethylbenzene	1	BQL
7	Toluene	1	BQL
8	Xylenes (total)	1	BQL
9	Methyl-t-butylether	1	BQL

Surrogate Standard Recovery:

1,4-Difluorobenzene	65 %

Comments:

BQL = Below quantitation limit
PQL = Practical quantitation limit.
Quantitation limits for this sample are obtained by multiplying the PQL by the dilution factor.
Quantitation limits adjusted for % moisture.

IEA
An Aquarion Company

Analysis Report: EPA Method 8020 (Volatile Aromatics)

Client:	K-D Associates, Inc.	IEA ID:	K103-003-02
Project:	9119-012	Sample:	SS-323-01B
Report Date:	12/07/92	Type:	Soil
Collected:	11/18/92	Container:	Glass
Received:	11/20/92		
Analyzed:	12/02/92	Dilution Factor:	1.1
By:	LSB		

Number	Compound	PQL (ug/kg dry wt.)	Result (ug/kg dry wt.)
1	Benzene	1	BQL
2	Chlorobenzene	1	BQL
3	1,2-Dichlorobenzene	1	BQL
4	1,3-Dichlorobenzene	1	BQL
5	1,4-Dichlorobenzene	1	BQL
6	Ethylbenzene	1	BQL
7	Toluene	1	BQL
8	Xylenes (total)	1	BQL
9	Methyl-t-butylether	1	BQL

Surrogate Standard Recovery:

1,4-Difluorobenzene	68 %

Comments:

BQL = Below quantitation limit
PQL = Practical quantitation limit.
Quantitation limits for this sample are obtained by multiplying the PQL by the dilution factor.
Quantitation limits adjusted for % moisture.

IEA
An Aquarion Company

Analysis Report: EPA Method 8020 (Volatile Aromatics)

Client:	K-D Associates, Inc.	IEA ID:	K103-003-03
Project:	9119-012	Sample:	SS-323-02A
Report Date:	12/07/92	Type:	Soil
Collected:	11/18/92	Container:	Glass
Received:	11/20/92		
Analyzed:	12/02/92	Dilution	
By:	LSB	Factor:	1

Number	Compound	PQL (ug/kg dry wt.)	Result (ug/kg dry wt.)
1	Benzene	1	BQL
2	Chlorobenzene	1	BQL
3	1,2-Dichlorobenzene	1	BQL
4	1,3-Dichlorobenzene	1	BQL
5	1,4-Dichlorobenzene	1	BQL
6	Ethylbenzene	1	BQL
7	Toluene	1	BQL
8	Xylenes (total)	1	BQL
9	Methyl-t-butylether	1	BQL

Surrogate Standard Recovery:

1,4-Difluorobenzene	39 %

Comments:

BQL = Below quantitation limit
PQL = Practical quantitation limit.
Quantitation limits for this sample are obtained by multiplying the PQL by the dilution factor.
Quantitation limits adjusted for % moisture.

IEA
An Aquarion Company

Analysis Report: EPA Method 8020 (Volatile Aromatics)

Client:	K-D Associates, Inc.	IEA ID:	K103-003-05
Project:	9119-012	Sample:	SS-323-03
Report Date:	12/07/92	Type:	Soil
Collected:	11/18/92	Container:	Glass
Received:	11/20/92		
Analyzed:	12/02/92	Dilution	
By:	LSB	Factor:	1.1

Number	Compound	PQL (ug/kg dry wt.)	Result (ug/kg dry wt.)
1	Benzene	1	BQL
2	Chlorobenzene	1	BQL
3	1,2-Dichlorobenzene	1	BQL
4	1,3-Dichlorobenzene	1	BQL
5	1,4-Dichlorobenzene	1	BQL
6	Ethylbenzene	1	BQL
7	Toluene	1	BQL
8	Xylenes (total)	1	BQL
9	Methyl-t-butylether	1	BQL

Surrogate Standard Recovery:

1,4-Difluorobenzene	60 %

Comments:

BQL = Below quantitation limit
PQL = Practical quantitation limit.
Quantitation limits for this sample are obtained by multiplying the PQL by the dilution factor.
Quantitation limits adjusted for % moisture.